SEQUENCE LISTING

(1) GENERAL INFORMATION:

6 1 3

- (i) APPLICANT: ANDERSON, Darrell R. HANNA, Nabil BRAMS, Peter
- (ii) TITLE OF INVENTION: IDENTIFICATION OF UNIQUE BINDING INTERACTIONS BETWEEN CERTAIN ANTIBODIES AND THE HUMAN B7.1 AND B7.2 CO-STIMULATORY ANTIGENS
- (iii) NUMBER OF SEQUENCES: 6
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
 - (B) STREET: P.O. Box 1404
 - (C) CITY: Alexandria
 - (D) STATE: Virginia
 - (E) COUNTRY: United States
 - (F) ZIP: 22313-1404
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/746,361
 - (B) FILING DATE: 08-NOV-1996
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/487,550 (B) FILING DATE: 07-JUN-1995
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Teskin, Robin L.

 - (B) REGISTRATION NUMBER: 35,030 (C) REFERENCE/DOCKET NUMBER: 012712-256
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (703) 836-6620
 - (B) TELEFAX: (703) 836-2021
- (2) INFORMATION FOR SEQ ID NO:1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 705 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (ix) FEATURE:

 - (A) NAME/KEY: CDS
 (B) LOCATION: 1..705
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG CTC TGG CTC CCA Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Trp Leu Pro 10 15 1

							TCA Ser	96
							AGT Ser	144
							CCT Pro	192
							GAG Glu	240
							AAC Asn 95	288
							GAC Asp	336
							GTC Val	384
							TCC Ser	432
							AGT Ser	480
							AGC Ser 175	528
							AAC Asn	576
							TGG Trp	624
							ACC Thr	672
			ACA Thr		TGA * 235			705

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1431 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:
(A) NAME/KEY: CDS
(B) LOCATION: 1..1431

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

			TTC Phe						48
			CTG Leu						96
			CGC Arg						144
			ACC Thr 290						192
			ATT Ile						240
			CGA Arg						288
			TTG Leu						336
			GGC Gly					-	384
			GTC Val 370						432
			GGC Gly						480
			GGC Gly						528
			GTG Val						576
			TTC Phe						624
			GTG Val 450						672
			GTG Val						720

		CCC Pro						768
		GAA Glu						816
		GAC Asp						864
		GAC Asp						912
		GGC Gly 545						960
		AAC Asn						1008
		TGG Trp						1056
		CCA Pro						1104
		GAA Glu						1152
		AAC Asn 625						1200
		ATC Ile						1248
		ACC Thr						1296
		AAG Lys						1344
		TGC Cys						1392
		CTC Leu 705				TGA *		1431

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 720 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

(A) NAME/KEY: CDS (B) LOCATION: 1..720

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

	AGC Ser									48
	TCC Ser 495									96
	ACA Thr									144
	AAA Lys									192
	GGC Gly									240
	GGG Gly									288
	CTG Leu 575									336
	GGG Gly									384
	GAA Glu									432
	TCT Ser									480
	AAT Asn									528
Asn	GCC Ala 655		Gly	Ser		Ser	Thr			576
	AAG Lys									624
	GAC Asp									672

					GTC Val								TGA *	720
(2)) SE((1 (1	QUENCA) LI B) T	CE CI ENGTI YPE: FRANI	SEQ HARAGH: 14 nuc: DEDNI OGY:	CTER: 437 l leic ESS:	ISTIC pase acio sino	CS: pai:	rs					
	(ix)) FE2 (2	ATURI A) NI 3) L(E: AME/I OCAT:	YPE: KEY: ION: ESCR:	CDS	1437			D:4:				
					ATC Ile									48
					CAA Gln									96
					AGA Arg									144
					TAT Tyr									192
					ATT Ile 310									240
					AAA Lys									288
					CTG Leu									336
					ACT Thr									384
					TAC Tyr									432
					AGC Ser 390									480
					ACC Thr									528

•, •					TTC Phe											576
					GGC Gly											624
•					CTC Leu											672
-					TAC Tyr											720
					AAA Lys 485											768
					CCA Pro											816
					AAA Lys											864
					GTG Val											912
					TAC Tyr											960
					GAG Glu 565											1008
					CAC His											1056
	Lys	Val	Ser	Asn	AAA Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr		1104
					CAG Gln											1152
					CTG Leu											1200
					CCC Pro 645											1248
					AAC Asn											1296
					CTC Leu											1344

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					TTC Phe								1392
					AAG Lys 710								1437
(2)	INF	ORMA'	TION	FOR	SEQ	ID 1	NO : 5	:					
	(i	() () ()	A) L: B) T' C) S'	ENGT YPE : TRAN	HARAGH: 7: nuc: DEDNI	ll ba leic ESS:	ase p acio sino	pair: d	s				
	(ii) MO	LECU:	LE T	YPE:	DNA	(gei	nomi	c)				
	(ix	(2		AME/I	KEY:		711						
	(xi) SE	QUEN	CE DI	ESCR:	IPTIC	ON: S	SEQ :	ID NO	0:5:			
					CAG Gln 485								48
					TCT Ser								96
					GTC Val								144
					CTA Leu								192
					TAT Tyr								240
					TCC Ser 565								288
					GAG Glu								336
					GCT Ala								384
					AAG Lys								432
					CAA Gln								480

AGT GAC TTC TAC CCG GGA GCC GTG ACA GTG GCC TGG AAG GCA GAT AGG Ser Asp Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser 640 645 650	5
AGC CCC GTC AAG GCG GGA GTG GAG ACC ACC ACA CCC TCC AAA CAA AGC Ser Pro Val Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser 660 665 670	576
AAC AAC AAG TAC GCG GCC AGC AGC TAC CTG AGC CTG ACG CCT GAG CAC Asn Asn Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Glr 675 680 685	
TGG AAG TCC CAC AGA AGC TAC AGC TGC CAG GTC ACG CAT GAA GGG AGC Trp Lys Ser His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser 690 695 700	
ACC GTG GAG AAG ACA GTG GCC CCT ACA GAA TGT TCA TGA Thr Val Glu Lys Thr Val Ala Pro Thr Glu Cys Ser * 705 710 715	711
(2) INFORMATION FOR SEQ ID NO:6:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 1431 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(ix) FEATURE: (A) NAME/KEY: CDS	
(B) LOCATION: 11431	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6: ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT CCC AGA TGG Met Lys His Leu Trp Phe Phe Leu Leu Val Ala Ala Pro Arg Trp	96
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6: ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT CCC AGA TGG Met Lys His Leu Trp Phe Phe Leu Leu Val Ala Ala Pro Arg Trp 240 245 250 GTC CTG TCC CAG GTG CAG CTG CAG GAG TCG GGC CCA GGA CTG GTG AAG Val Leu Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys	96
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6: ATG AAA CAC CTG TGG TTC TTC CTC CTG GTG GCA GCT CCC AGA TGG Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp 240 245 250 GTC CTG TCC CAG GTG CAG CTG CAG GAG TCG GGC CCA GGA CTG GTG AAG Val Leu Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys 255 260 265 CCT TCG GAG ACC CTG TCC CTC ACC TGC GCT GTC TCT GGT GGC TCC ATC Pro Ser Glu Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile	96 144 192
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6: ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT CCC AGA TGG Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp 240 GTC CTG TCC CAG GTG CAG CTG CAG GAG TCG GGC CCA GGA CTG GTG AAG Val Leu Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys 255 CCT TCG GAG ACC CTG TCC CTC ACC TGC GCT GTC TCT GGT GGC TCC ATC Pro Ser Glu Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile 270 AGC GGT GGT TAT GGC TGG GGC TGG ATC CGC CAG CCC CCA GGG AAG GGG Ser Gly Gly Tyr Gly Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly	96 144 192
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6: ATG AAA CAC CTG TGG TTC TTC CTC CTG GTG GCA GCT CCC AGA TGG Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp 240 GTC CTG TCC CAG GTG CAG CTG CAG GAG TCG GGC CCA GGA CTG GTG AAG Val Leu Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys 255 CCT TCG GAG ACC CTG TCC CTC ACC TGC GCT GTC TCT GGT GGC TCC ATC Pro Ser Glu Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile 270 AGC GGT GGT TAT GGC TGG GGC TGG ATC CGC CAG CCC CCA GGA AAG GGG Ser Gly Gly Tyr Gly Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly 290 CTG GAG TGG ATT GGG AGT TTC TAT AGT AGT AGT GGG AAC ACC TAC TAC Leu Glu Trp Ile Gly Ser Phe Tyr Ser Ser Gly Asn Thr Tyr Tyr	96 144 192 240

			AGA Arg 355										384
			GAT Asp										432
			AAG Lys										480
			GGG Gly										528
			CCG Pro										576
			ACC Thr 435										624
			GTG Val										672
			AAC Asn										720
			CCC Pro										768
			GAA Glu										816
			GAC Asp 515										864
	Val	Val	GAC Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Phe	912
			GGC Gly										960
			AAC Asn										1008
			TGG Trp										1056
			CCA Pro 595										1104
			GAA Glu										1152

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					-	72	-				
				GTC Val						1200	
				GTG Val 645						1248	
				CCT Pro						1296	
				ACC Thr						1344	
				GTG Val				-		1392	
	 	-	 	 CTG Leu	_			 TGA *		1431	

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